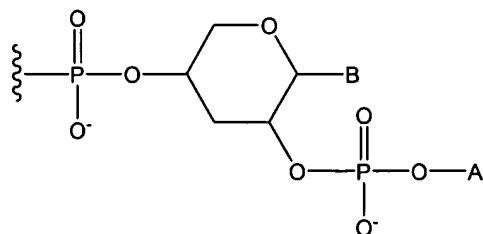


**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of the Claims**

1. (Original) A conjugate according to the following structure:



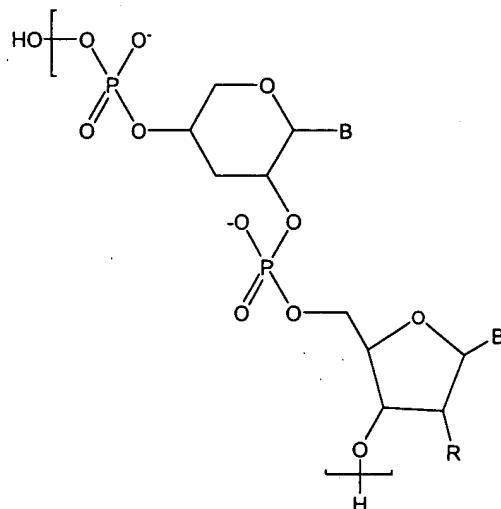
wherein A is selected from the group consisting of DNA, RNA, peptide, protein, antibody, functional antibody fragment, and any other biomolecule; and  
wherein B is selected from the group consisting of 9-adeninyl, 9-guaninyl, 1-thyminyl, 1-cytosinyl, 1-uracilyl, and 1-indolyl.

2. (New) The conjugate of claim 1, wherein the pentopyranosyl nucleotides are in the D configuration.

3. (New) The conjugate of claim 1, wherein the pentopyranosyl nucleotides are in the L configuration.

4. (New) The conjugate of claim 1, wherein the pentopyranosyl nucleotides are selected from the group consisting of ribo-, arabino-, lyxo-, and xylopyranosyl nucleotides.

5. (New) A conjugate of the structure:



wherein R is H or OH, and

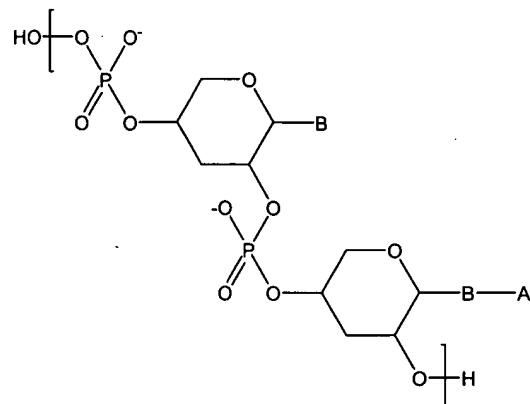
wherein B is selected from the group consisting of 9-adeninyl, 9-guaninyl, 1-thyminyl, 1-cytosinyl, 1-uracilyl, and 1-indolyl.

6. (New) The conjugate of claim 5, wherein the pentopyranosyl nucleotides are in the D configuration.

7. (New) The conjugate of claim 5, wherein the pentopyranosyl nucleotides are in the L configuration.

8. (New) The conjugate of claim 5, wherein the pentopyranosyl nucleotides are selected from the group consisting of ribo-, arabino-, lyxo-, and xylopyranosyl nucleotides.

9. (New) A conjugate of the structure:



wherein A is selected from the group consisting of DNA, RNA, peptide, protein, antibody, functional antibody fragment, and any other biomolecule; and

wherein B is selected from the group consisting of 9-adeninyl, 9-guaninyl, 1-thyminyl, 1-cytosinyl, 1-uracilyl, and 1-indolyl.

10. (New) The conjugate of claim 9, wherein the pentopyranosyl nucleotides are in the D configuration.

11. (New) The conjugate of claim 9, wherein the pentopyranosyl nucleotides are in the L configuration.

12. (New) The conjugate of claim 9, wherein the pentopyranosyl nucleotides are selected from the group consisting of ribo-, arabino-, lyxo-, and xylopyranosyl nucleotides.